A.N.A.R.T.S. News Bulletin 1342 3rd Apr 2005.

Col's Column

Early Electrical Communication.

Some more British Telegraphs.

Alexander+IBk-s Telegraph - Part one.

During May 1837, William Alexander in Edinburgh Scotland constructed a telegraph. This telegraph was based on an idea for a telegraph by Ampere and firstly constructed by Professor W. Ritchie in 1830.

The original description of this telegraph said that the transmit and receive instruments were to be connected to each other by wires that have coils of wire at their terminating points, and also it would have magnetic needles, the movement of which indicated the character being transmitted.

Alexander constructed a version of Ampere's idea and this was reported in both Scottish and English newspapers, with its full description printed in the 'Mechanics Magazine' August 1837.

He suggested the construction of a telegraph line between London and Edinburgh that would be able to transmit the whole alphabet, plus comma, semicolon, full stop and an Asterisk. As the system required a separate wire for each character, plus a common return, 32 wires would need to be laid under the Turnpike Road between the two cities. The wires would need to be protected from outside influences and from accidental injury.

At the transmit end, an appropriate number of wooden keys, marked with the letters of the alphabet and the other suggested punctuation marks, would be provided. The keys would have a short piece of Platinum attached that almost touched the surface of a long trough of Mercury. When a particular key was pressed, the Platinum would dip into the Mercury completing a circuit with the receive telegraph.

The receive end of the system and other information on this telegraph will appear in next weeks part. A sketch of the telegraph will appear on my web site this week.

Before closing, I must mention that I am having problems connecting to the Packet Radio BBS at VK2WI, and the last two weeks broadcasts have not been able to be placed on to Packet. I will keep trying+ADs- in the meantime if any station can assist by putting the cast onto their local BBS I would be grateful.

73's Col VK2CTD

IPS Weekly Solar and Geophysical Report 24/31 Mar.

SUMMARY
Date 24 25 26 27 28 29 30 31

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10cm flux  87  82  78  78  80  79  78  77
AFr index   8  15  12   8   2   3   6  (5 estimated)
Aaus index  5  14  14  13   4   3   4  (6 estimated)
T index    44  51  24  22  32  38  45  34
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Solar flare activity was very low all week.

Geomagnetic activity observed for the Australian Region was quiet on 28/30th quiet to unsettled 24th, 27th and 31st and quiet to active on 25/26th.

Southern Australian Ionospheric F2 critical frequencies were mostly near predicted on 24th and 31st enhanced 15 percent to 25 percent depressed on 25th depressed 20 percent to near predicted on 26th depressed 15 percent to near predicted on 27th near predicted on 28th mostly near predicted to 20 percent enhanced on 29th near predicted to 15 percent enhanced on 30th.

Forecast for 1/7th Apr

Solar activity conditions are expected to range from very low to low.

Geomagnetic activity should be mostly quiet with active to minor storm intervals possible from 1/3rd Apr.

Frequencies could be depressed 15 percent briefly after local dawn on 1st depressed 20 to 30 percent on 2nd depressed 20 to 30 percent on 3rd depressed 15 to 20 percent on 4th depressed 15 percent briefly after local dawn on 5th otherwise near normal. No Short Wave Fadeouts are expected.

courtesy of the IPS Radio and Space Services

Summary by Pat VK2JPA ANARTS Broadcast Officer

VK2SG RTTY DX NOTES for week ending 31 Mar.

Our information this week came from AA5AU I5FLN DJ3IW UT5RP GB7DXG and the OH2AQ DX Summit. Thank you all.

Bandpass

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Friday 25
0013-7041  CT2GLO
0021-7040  CT1AOZ
0119-14085 JT1CO
0622-14081 UN8PIM
0624-14082 VK2KM
0625-14085 OD5/SP5LKN
0754-24923 YI1HXH
0825-14081 ZB2/GM4FDM
0825-14088 TM6OVN via F5LKH
0837-24922 DL7CM
0839-21080 ZB2/GM4FDM
0844-14080 ZB2/GM4FDM
0927-21083 XX9BB
0930-14086 9H3LEO via IK1PMR
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0946-14086 UN8PIM
0948-14084 XX9BB
1008-14086 VR2BG
1018-14084 HF4IARU
1246-18105 ZC4LI
1247-14085 C37URA
1310-14084 ZB2/GM4FDM
1329-14088 OH0I
1355-14080 SN25ZCC
1401-14083 HC5T
1422-14085 UN8PIM
1426-14083 XE1L
1550-14088 9H3LEO
1600-14079 SV9AHZ
1616-14083 HZ1IK via DK7YY
1710-14081 XU7ABN
1712-14092 VR2XLN
1717-14087 3B9FR
1718-14087 9H3LEO
1724-14083 HZ1IK
1744-10138 ZB2/GM4FDM
1747-14085 C37URA
1801-18102 CT1XK
1820-14085 9Y4/DC3MAR
1821-14080 XX9BB
1823-14085 C37URA
1824-14082 EA9IB
1845-14084 TM6OVN
1850-14079 CU3AD
1901-10139 ZB2/GM4FDM
2111-7039 SV1GYG/8
2136-14085 LU8EKC
2140-1014O KP4JRS
2300-14085 PJ2MI
2307-14087 LU3FR

Saturday 26
0006-14085 W0RY
0018-14083 PY2BU
0056-14086 PZ5RA
0245-14088 UN8PIM
0247-14084 PT7AZ
0318-14085 CE3FCF
0505-14081 EK8ZZ
0556-21074 FT5XO via VE3XN
0802-21085 BA1RB
0828-14082 ZB2/GM4FDM
0829-18100 FT5XO
0841-14085 HF4IARU via SP4GFG
0859-18102 FT5XO
0924-18102 UN8PO
0935-18102 UR5FFV
1106-21080 FR5AB
1255-18104 SV1GYG/8
1306-14084 SP9BVC
1345-14083 BD3RJ
1348-14089 PZ5RA
1402-18117 J20FH
1422-24921 FM5JC
1434-18102 UN7TK
1435-14089 PZ5RA
1458-18100 V25DL via N1DL
1512-18111 CU3AD

1555-14087 ZB2/GM4FDM
1601-14086 TM6OVN
1607-18100 9H3LEO
1649-18102 CT1EBM
1652-18098 CU3AA
1701-18101 9H3LEO
1656-10140 ZB2/GM4FDM
1703-18097 V25DL
1729-14088 UA1ZVS
1731-18100 V25DL
1737-18101 9H3LEO
1743-18099 CE1RQB
1746-18105 FM5JC
1756-10139 RA4CC
1804-18100 CE1RQB
1807-18102 EA6BH
1825-10137 CT1XK
1938-14090 WB6RSE
1939-10140 PA1CC
2019-10141 SV1GYG/8
2212-10139 9H3MR
2243-14089 HC5T
2248-10139 9H3MR
2259-14090 9Y4/DC3MAR
2311-14084 PZ5RA

Sunday 27
0425-14085 FT5XO
0540-14083 SV1GYG/8
0631-14083 BD3RJ
0632-14082 EK8ZZ
0657-21080 5Z4DZ
0716-14084 EA6BH
0721-18104 FT5XO
0726-18108 JA1DMX
0731-18108 JA1FHA
0744-18104 FT5XO
0803-24922 DL7CM
0822-21083 BG1DCG
0832-21082 FR1AH
0911-21085 OD5RW
0919-14087 OD5PL
0923-18104 FT5XO
0949-24921 EK8ZZ
1102-18104 FT5XO
1113-14090 MW0CPZ
1135-18105 C37URA
1206-18104 FJ/N1DL
1258-18105 AP2IA
1259-18103 PJ2MI
1334-18104 FT5XO
1358-21081 PZ5RA
1434-14082 ZB2/GM4FDM
1442-14084 HC5T
1438-14089 SN25ZCC
1502-14084 TF3GC
1507-18101 UX0FF
1522-18100 FJ/N1DL
1538-24920 UX0FF
1539-18103 CT1XK
1536-18105 PZ5RA
1543-18100 FJ/N1DL
1613-18104 4L1BR

1625-18105 CU3AD
1650-18100 G4SOZ
1654-18101 9H3LEO
1714-10146 C37URA via C31LM
1729-18105 CU3BL
1738-18102 4X6UO
1743-18103 F6DAY
1743-10143 JE6KYA
1747-18103 EA5GQM
1808-14090 9H3LEO
1835-10140 9H3MR
2029-10139 IT9RTA
2034-10138 LA6FJA
2055-10143 UR5EDU

Monday 28
0426-10140 RN3OK
0433-14084 ZL3NB
0531-14087 J75RZ
0722-21080 5Z4DZ
0732-14081 VK2KM
0818-10140 ZB2/GM4FDM
1010-21087 FT5XO
1155-21086 J75RZ
1210-18080 ZB2/GM4FDM
1214-14078 JT1CO
1224-14078 JT1CO
1232-14087 FT5XO
1247-21080 ZS6PVT
1306-18103 PZ5RA
1306-14085 E20KIR   via HS1OMT (Direct only)
1319-14087 FM5AA
1337-18105 ZC4LI
1339-21084 J75RZ
1348-18101 PJ2MI
1425-14083 HS0ZBS
1454-14095 LX1ER
1502-18101 PA1CC
1530-14091 K0GZL
1541-14072 EK8ZZ
1559-14087 TF3SK
1619-14088 9H3LEO
1648-18102 OO4ZD
1714-14094 J75RZ
1714-14090 WB6RSE
1726-14088 E20KIR
1806-14084 CU3AD
1817-14096 9G5OO via DL4WK
1834-14082 GD0TEP
1852-14087 LX1ER
1916-14084 9Y4/DC3MAR
1942-14096 J75RZ via W2RZS
1945-14087 TF3HP
2029-14087 CE3CDV
2047-14091 VK1AA
2102-14081 CU3BL
2120-10136 J75RZ
2144-7039 EA9IB
2248-18104 J75RZ
2249-14083 VP5/N1LDY
2333-10137 FM5JC

Tuesday 29

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0005-14082 JT1CO
0103-7033  FT5XO
0105-14087 PZ5RA
0119-14087 CE3CDV
0140-14088 TG9SM
0310-14082 GD0TEP
0745-21083 FT5XO
1040-21083 FT5XO
1234-14083 FR5HE
1256-14086 M1LMO
1300-21083 FT5XO
1322-18105 VQ9LA
1325-14082 GD0TEP
1327-21086 CE4CDV
1338-24907 HZ1IK
1425-14085 UN8PIM
1432-14085 UK8OAR
1438-21083 J20FH
1500-14088 9H3LEO
1527-14086 TF3GC
1533-18107 3B9FR
1601-14088 TK5IH
1717-21086 CE3CDV
1743-10123 FT5XO
1815-10146 C38LM
1923-14085 9Y4/DC3MAR
2045-10123 FT5XO
2112-10140 9H3LEO
2220-70389 H3LEO
2238-7037  TF3GC
2249-7038  LA6FJA
2251-7038  PT7AZ
2259-7039  VK6HD
2327-7037  HZ1IK

Wednesday 30
0007-14083 XE2GPP
0031-14085 HR1RMG
0033-7037  YV5KAJ
0041-21081 VK9NS
0204-10143 VQ9LA
0238-7034  CE3CDV
0258-10122 FT5XO
0425-10128 UA0FZ
0542-7032  CE3CDV
0607-7038  OO4LJA
0931-21082 FT5XO
1153-21077 FT5XO
1343-14083 FT5XO
1422-14084 VP5/N1LDY
1607-10128 FT5XO
1624-14088 K0GZL Sth Dakota
1628-14084 HF4IARU
1938-10129 FT5XO
1953-14087 9H3LEO
1956-14085 CU3AD
2009-14082 EA9IB
2041-10135 9Y4/DC3MAR
2211-10132 JA1WLO
2238-10127 FT5XO
2253-7035  OM5XX
2310-7038  PT7AZ
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Friday 31
0025-10104 FT5XO
0103-14082 JT1CO
0434-14081 VK9NS
0917-24923 VQ9LA
0942-7037 CE3CDV
1309-14081 UN7PBY
1315-14095 E20KIR
1506-14087 FR5HA
1506-21082 J20FH via F5PRU
1521-18107 3B9FR
1523-14083 JT1CO
1531-14082 5Z4IA
1626-14084 FR5HA
1820-14085 XU7ABN
1845-14087 SV8CYR
1915-14087 9Y4/DC3MAR

Notes of interest:
Bolivia CP6, Apr 01-15 - Look for CP6/DF9GR on RTTY.
QSL via home call.

Botswana A25, Apr 06-20 - DL7CM and DM2AYO as A25/homecall
possibly A25CM. QSL via home calls.

Macao XX9, Apr 07-11 - JA0SC will be QRV on RTTY and SSTV.
QSL via JA0SC.

Bahamas C6, Apr 15-29 - G4WFQ from Abaco Is.
QSL via G3SWH or LoTW.

Scotland Apr 02-09 Look for Jim MM0BQI/P from Tanera mor,
Summer Isles. IOTA EU-092, IOSA SC-10, Scotia CN-32.
QSL is direct to home call.

The VK2SG RTTY DX NOTES are distributed every week via the
Winlink network and are also available on the Internet at URL
http://mailman.qth.net/mailman/listinfo/vk2sg-rtty
and the digital-dx reflector.

To subscribe to the digital-dx reflector send an email message
to majordomo at mla.nifty.ne.jp as follows:
Subject:(blank) Message Body: subscribe digital-dx

For next week's bulletin send your bandpass and notes of
interest to Luciano I5FLN email luciano.fusari at aliceposta.it

73 es Good RTTY DXing Phil Cooper GU0SUP

The Ohio/Penn DX Bulletin No. 703 - excerpts

9A0, CROATIA
During the Preparatory Central European IARU Region 1 meeting
Apr 15-17 look for the special callsign 9A0IARU to be activated
from the Island of Murter (EU-136). Activity on what bands/
modes was not mentioned. QSL via Emir 9A6AA.

9G, GHANA
Sigi DL7DF will be active from here on a one man operation between

Apr 18-25. Activity will be on 160-10M CW only with a little SSTV. He will have a 700w amp with a beam and dipole antennas. QSL via DL7DF. Watch the following Web page for updates http://www.DL7DF.com

C21, NAURU (CW Ops Needed+ACE-)
Bill VK4FW informs OPDX that the Oceania Amateur Radio DX Group (ODXG) will be embarking on an operation from here before XMAS. They will predominately be a CW and RTTY operation with some SSB. They are looking for more CW operators for this operation. If interested send an Email to Bill Horner at vk4fw at westnet.com.au

C6, BAHAMAS
Dave G4WFQ will be active as C6AWF from Treasure Cay Abaco Island (NA-080) Apr 15-29. Activity will be on 80-10m including the WARC bands but mostly CW and RTTY with some SSB. QSL via G3SWH. Logs will be available online at http://www.g4wfq.btinternet.co.uk

DX0, SPRATLY ISLANDS (Update)
Eddie DU1EV informs OPDX readers that unfortunately they were not able to get a ride to the Pagasa Island last Mar 20 (there was no ride available). The next possible trip is on the 30th. They do hope this trip will materialize and that there will be trans -portation space for them. He mentioned that 4F1OZ has gone back to the mainland and now there are only two operators awaiting the next trip (4F2KWT and DU1EV).

FORT ACTIVITY
Ramon PY6KY will be active as ZW6FSM from Fort Sao Marcos (DFB-BA-05) between Apr 17-18 for CW and Apr 20-21 for SSB. QSL via PY6KW direct or by the Bureau

EU-057. Seven German operators will activate Ummanz Island (O-06 for the German Islands Award) on May 2-8. They will operate on all bands CW SSB RTTY and PSK31. Operators mentioned are DL1APR DL1APW DL1NUF DL5AOJ DL7NFK DL9NDS and DM3BJ. QSL via their home callsigns.

NA-224. Operators XE1XOX XE1ZJR XE1KOF XE1ZAO XE1YJL XE1IH XE1VC XE1XNH and XE1XTK will be active from the lighthouse on Sacrificios Island as XF2ZEX between Mar 30 and Apr 3. Activity will be on 160-2m on CW SSB RTTY PSK31. QSL via the bureau or direct to QSL Manager IT9EJW Alfio Bonanno, P.O. Box 18, 95028 Valverde (Catania) ITALY.

XE, MEXICO
Scott WA6LIE plans on cruising MM/2 from Long Beach to Puerto Vallarita Mazatland and Cabo San Lucas between Apr 17-24. He will use his FT-857D and plans on some Satellite operations (no digital) along with 6 and 20 meters activity too. Scott hopes to activate a few more grid square.

ZR, SOUTH AFRICA
Dennis ZS4BS SARL HF Manager stated that with the change to the South African Radio Regulations in Feb 05 all the restricted licensees now have access to the HF bands. So during the CQ WW WPX Contest this past weekend, there were plenty of ZR callsigns available.

The Society can be contacted in the following ways

To Pat VK2JPA via vk2jpa at wia.org.au or
Col VK2CTD via ctdavies at bigpond.net.au or
you can drop a line to P.O. Box 93 Toongabbie, NSW 2146.
73's for this week from Pat VK2JPA Broadcast Officer
NNNN